

# Bluetooth GPS Key Chain

## *Quick Installation Guide*

**Thank you for purchasing Bluetooth GPS Key Chain and we wish you have the best consumer product experience ever.**

### GPS chipset:

- Adopt SkyTraq Venus 6 chipset with 65-Channel for fast acquisition and reacquisition
- High sensitivity (to -160dBm)
- Excellent performance - Cold/Warm/Hot start time: 29/25/>1 sec. (average)
- Support standard NMEA0183
- WAAS / EGNOS supported

### Hardware:

- Capable of keeping up to 100,000 records or positions, including longitude, latitude, speed, UTC and tag data
- Smart power saving / 540mAh Li-Polymer Rechargeable battery/10 hours usage
- Slick and Slim Design, Light and Portable, 47.0(L) X 38.0 (W) X 13.0 (H) mm/ 37g(Battery excluded)
- USB Interface
- Ability to record POI (Point Of Interest)

### Photo Tagger Software:

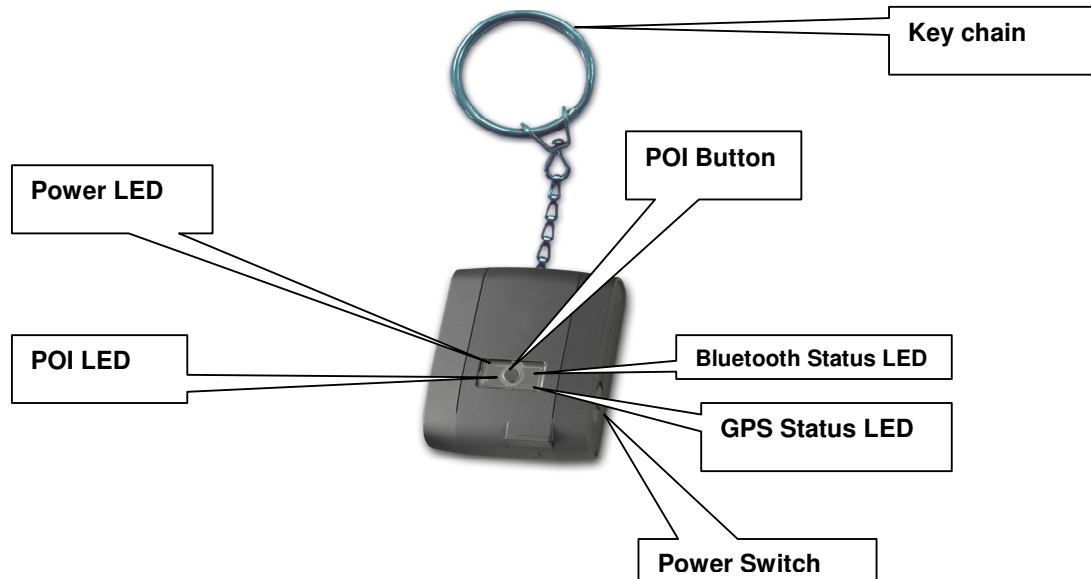
- Support Windows, XP, and Vista
- Free update from internet
- User friendly interface
- Easy connection to Flickr for quick data upload
- Ability to export to KMZ, NMEA183, and GPX format
- Ability to view speed and altitude
- Multi-languages supported
- Photo slide show
- Track management
- Support Video playback (AVI, MP4) on the Tracks

## A. Standard Package

Bluetooth GPS Key Chain(1) + Cigarette Adapter (2) + USB Cable (3) +Photo Tagger CD(4)



## B. Appearance



## C. Charging your battery

For the first time using the Bluetooth GPS key chain, please charge battery until it is fully charged. Take the USB cable and connect it to the mini USB connection port then connect another side of USB to PC, Laptop or car cigarette adaptor. This will begin to charge the battery. Charging time is 3 hours typically.

- When the red LED is blinking, battery power is low status. Please recharge.
- When the red Power LED is steady on, the battery is under charging mode.
- When the red LED is Off, the battery is fully charged.

## D. Start to use (Bluetooth GPS Key Chain Function)

### D-1 Full charge the battery when using at the first time

A fully charged battery can operation continuously up to 10 hours.

\*Battery use and standby times are estimations only and may vary according to signal strength, network conditions, features used and battery age (includes the effect of user charging habits), temperatures to which battery is exposed, use in digital mode, and many other factors. Please note that the amount of time a receiver issued for navigator will affect its standby time. Likewise, the amount of time that the GPS is turned on and in the standby mode will affect its navigation time.

### D-2 Activate the Bluetooth function in your PDA/Smart phone or PC

Before activating the Bluetooth function, please power on Bluetooth GPS key chain for pairing. Please check if your device is equipped with Bluetooth function, if not, you may need to acquire an optional CF/SD Bluetooth card or Bluetooth dongle.

**NOTE: The pairing procedure is required to execute in the first time only. And the pass code is "0000" if required.**

### D-3 Automatically create a shortcut in Bluetooth Manager window

After the pairing has complete, the system will then find a quick connect device "DATALOGG" in Bluetooth Manager. In further use, you only need to click on the device name to connect to this Bluetooth GPS Key Chain.

### D-4 Check the Serial Port in Bluetooth Setting

After complete pairing with the Receiver, please click "Serial Port" to confirm the assigned COM port. If you use PDA/PC to pair the GPS Key Chain, please check "Outbound COM port".

### D-5 Set correct Serial Port in your map software

Activate your navigation software and make sure to select the correct "Serial Port".

**NOTE: In the map software such as TomTom, you might need to change preference and set "Other Bluetooth GPS" or "Other Cable NMEA GPS" according to PDA/phone model. In some case please consult mapping software company to vary the setting if you have issue on positioning.**

## E. Start to use (Data Logger & POI & Photo Tagger Functions)

### E-1 Save and Record the position data

When you turn on the power switch, the device automatically starts to search the GPS connection. After the GPS position is fixed, recording of trip information in location, time, altitude and speed would start automatically.

### E-2 Record Point Of Interest

Press the POI button on Key chain, to mark a Point Of Interest identification balloon on the Track. The balloon is visible after uploading trip information onto GPS Photo Tagger software.

**E-3 Insert the software utility CD into your CD ROM driver**

The installation program will start automatically. If the installation program did not start, please double click on "gpsPhoto Tagger\_install.exe" on the CD to start it.

**E-4 Turn on the device and connect the device to PC USB Port**

GPS Photo Tagger software will automatically detect the port and transmitting baud rate. You may use the software utility to conduct the following functions: upload the recorded data, make configuration settings to device, change recording interval, exporting and mapping your recorded data. For more detail on how to use Photo Tagger Software, please refer to the user manual included within the software (Help-> User manual).

**F. OTHERS****F-1 LED Indicators**

	LED Status	Flash	ON	OFF
1	Bluetooth (Blue)	Pairing Mode (Flashing every 8 seconds)	Connected	
2	Power (Red)	Low Power (Flashing every 1 second)	Recharging	Sufficient Power
3	GPS (Green)	Satellite Fixed (Flashing every 3 seconds)	Searching signal	
4	POI (Orange)	When POI making is confirmed (Flash 1 second)		

**F-2 Manufacturing Setting**

Protocol: NMEA 0183 - GGA, GSA, GSV, RMC  
Baud Rate: 9,600 bps; Datum: WGS-84

**F-3 GPS Features**

SkyTraq Venus 6 GPS Receiver with super high sensitivity at -160dBm  
Frequency: L1, 1575.42 MHz; C/A Code: 1.023 MHz chip rate  
Acquisition time: Hot start less than 1 sec. / Warm start 25 sec. / Cold start 29 sec. (averaged)

**F-4 Bluetooth Features**

Bluetooth Version: V2.0 / SPP profile  
Class 2 with 10 meters in open space

**F-5 Flash Memory Features**

Built-in flash memory: 8M Bits for data logging with 8 bytes binary data per record  
Storage: up to 100K data records

**F-6 Overall Features**

Built-in rechargeable 540mAh Li-Polymer battery (up to 8 hrs after fully charged)  
Size: 47.0 (L) X 38.0 (W) X 13.0 (H) mm / Weight: 37g (Battery Included)

**G. Trouble Shooting**

Problems	Reasons	Methods
No position output but timer is counting	Weak or no GPS signal can be received at the place of the device	Find an open space for the device
Execute fail	Bluetooth function unstable	Re-Start PDA or PC or re-install software
Can not turn on the COM port	Incompletely install the device or the COM port of the device is being used	Install the device completely or stop other device that is being used.
Can not find out the device	Poor connection	Re-Start PDA or PC and re-install software.
No Signal	No action for few minutes may cause the Pocket PC enter power saving mode. It may close the COM port at the same time.	Close the application and execute it again to re-open the COM port.
No Signal	Weak or no GPS signal when using the device indoor	Go outdoors to improve the poor GPS signal.